System and Method for Generating Forward Error Correction Based Alarms
Serial No.: 10/037,959
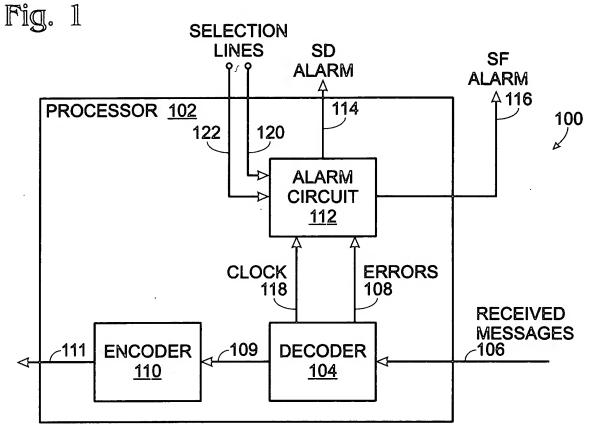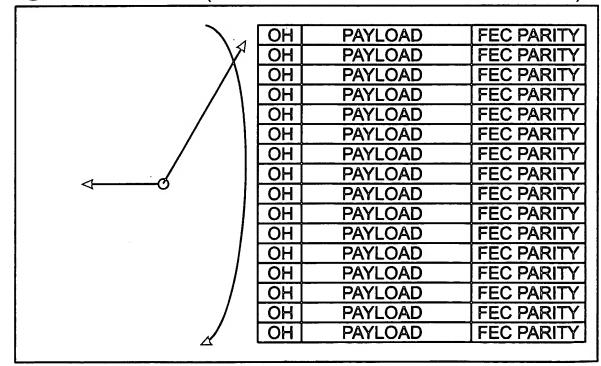Player et al.
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Fig. 1

Fig. 2a OTUk ROW (SHOWN BEFORE INTERLEAVED TRANSMISSION)

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Fig. 2b OTUk ROW (SHOWN AFTER INTERLEAVED TRANSMISSION)

Fig. 2c

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New Sheet

Fig. 2d

MFAS: MULTI FRAME ALIGNMENT SIGNAL
SM: SECTION MONITORING
TCM: TANDEM CONNECTION MONITORING
PM: PATH MONITORING
SAPI: SOURCE ACCESS POINT IDENTIFIER
DAPI: DESTINATION ACCESS POINT IDENTIFIER
RES: RESERVED FOR FUTURE STANDARDIZATION
ACT: ACTIVATION/DEACTIVATION CONTROL
FTFL: FAULT TYPE & FAULT LOCATION
EXP: EXPERIMENTAL
GCC: GENERAL COMMUNICATION CHANNEL
APS: AUTOMATIC PROTECTION SWITCHING
PCC: PROTECTION COMMUNICATION CONTROL
BIP8: BIT INTERLEAVED PARITY-LEVEL 8
BEI: BACKWARD ERROR INDICATION
BDI: BACKWARD DEFECT INDICATION
IAE: INCOMING ALIGNMENT ERROR
STAT: STATUS
PSI: PAYLOAD STRUCTURE IDENTIFIER
PT: PAYLOAD TYPE
JC: JUSTIFICATION CONTROL
NJO: NEGATIVE JUSTIFICATION OVERHEAD
PJO: POSITIVE JUSTIFICATION OVERHEAD
TTI: TRAIL TRACE IDENTIFIER
ESI: ERROR/STATUS INDICATION

SM, PM AND TCM

1	2	3
TTI	BIP-8	

CALLED "ESI" IN THE HUDSON

PM & TCM

1	2	3	4	5	6	7	8
BEI				BDI	STAT		

SM

1	2	3	4	5	6	7	8
BEI				BDI/IAE	RES		

1	SAPI
...	
15	
16	DAPI
...	
31	
32	OPERATOR SPECIFIC
...	
63	

OPUk OH

	15	16
1	RES	JC
2	RES	JC
3	RES	JC
4	PS	NJO	PJO

0	PT
1	RES
...	
255	

Replacement
Sheet

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Fig. 3

300

(START)

301a

SELECTING FIRST NUMBER

301b

SELECTING SECOND NUMBER

301c

SELECTING FIRST TIME PERIOD

301d

SELECTING SECOND TIME PERIOD

301e

SELECTING ERROR TYPE

302

RECEIVING MESSAGES

304

USING FEC, DETECTING ERRORS

306

GENERATING ALARM IN RESPONSE
TO THE DETECTED ERRORS